

FIG. 2

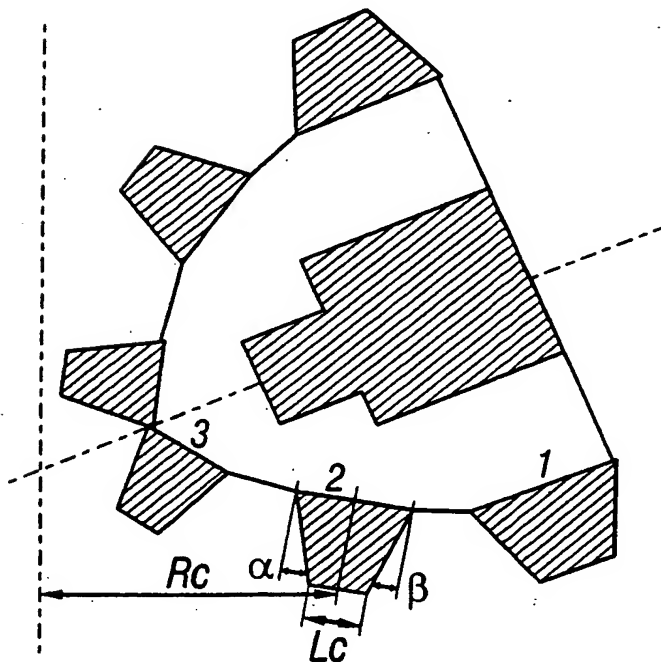


FIG. 3

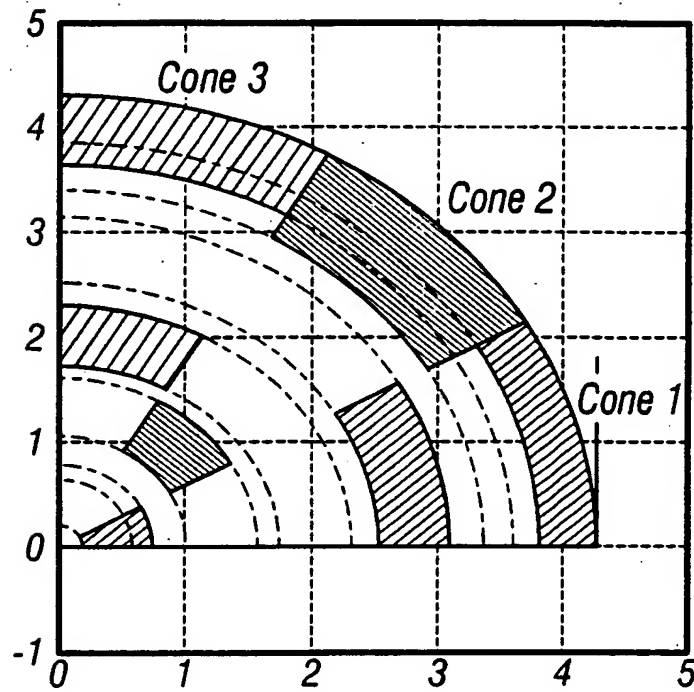


FIG. 4

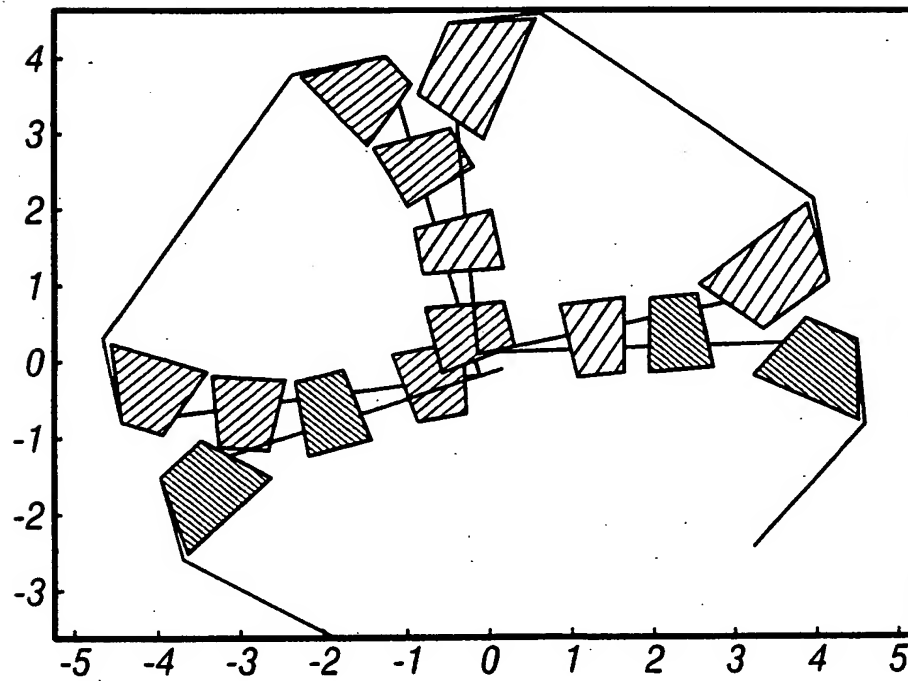


FIG. 5

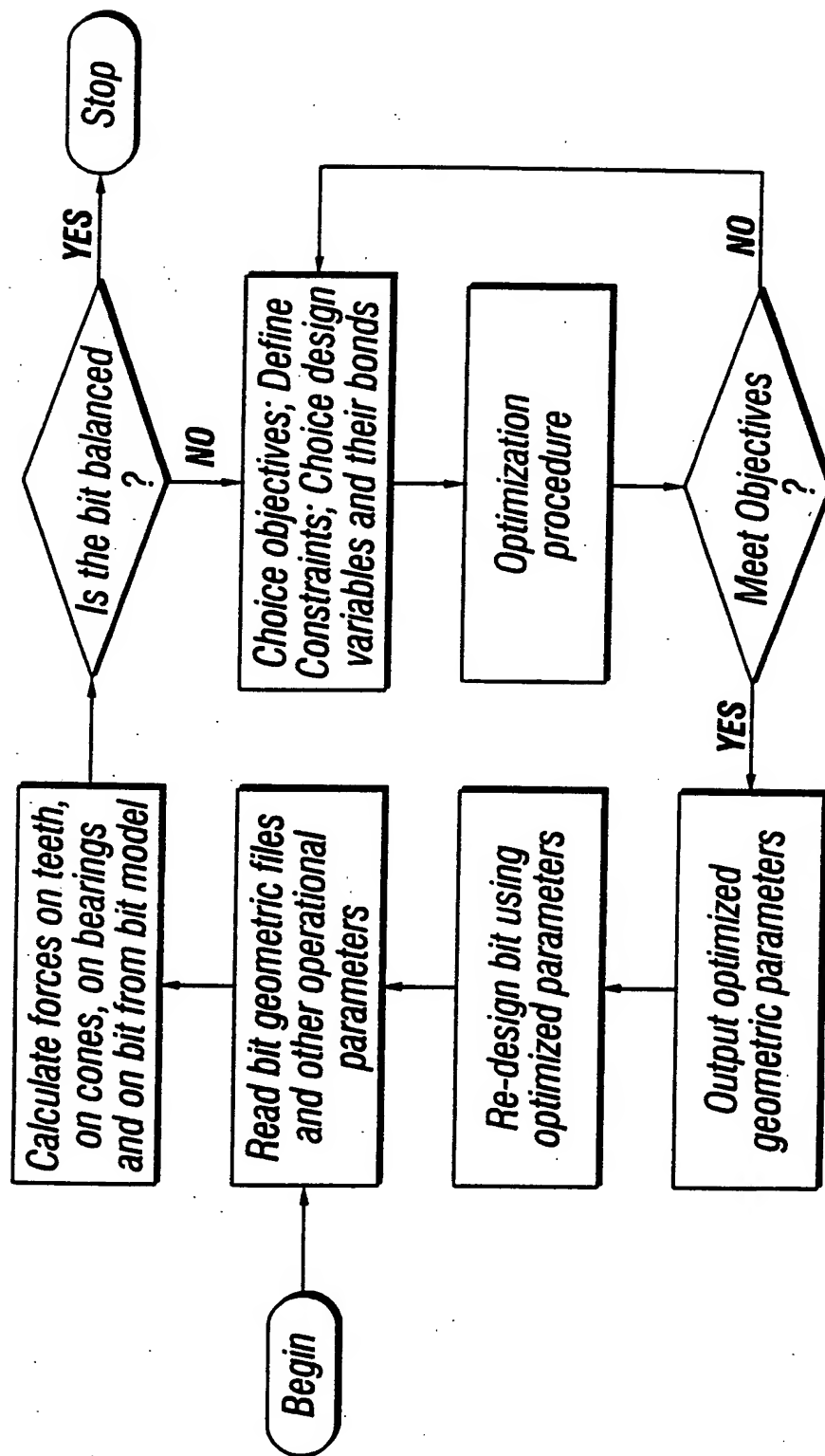


FIG. 6

3/8

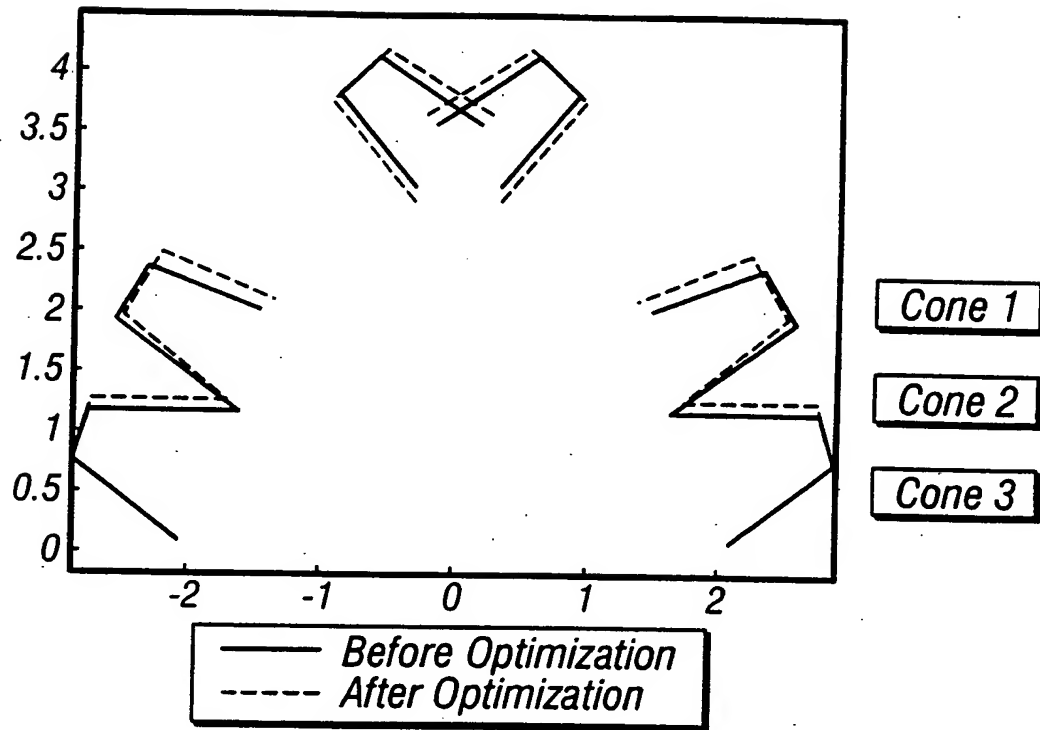


FIG. 7A

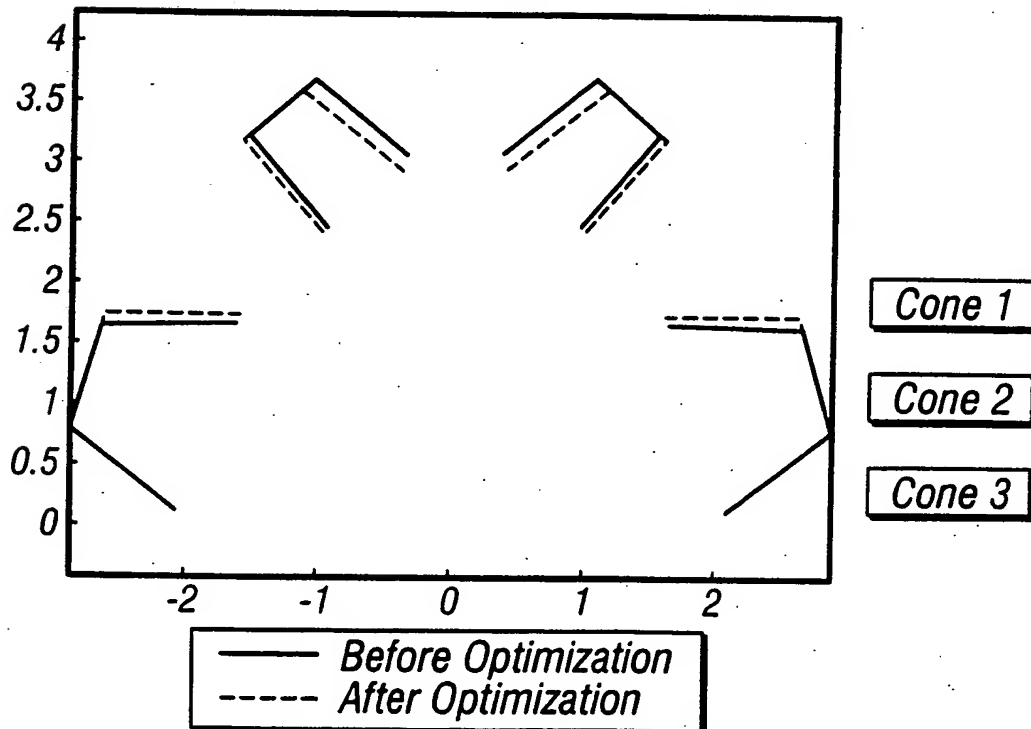


FIG. 7B

U/S

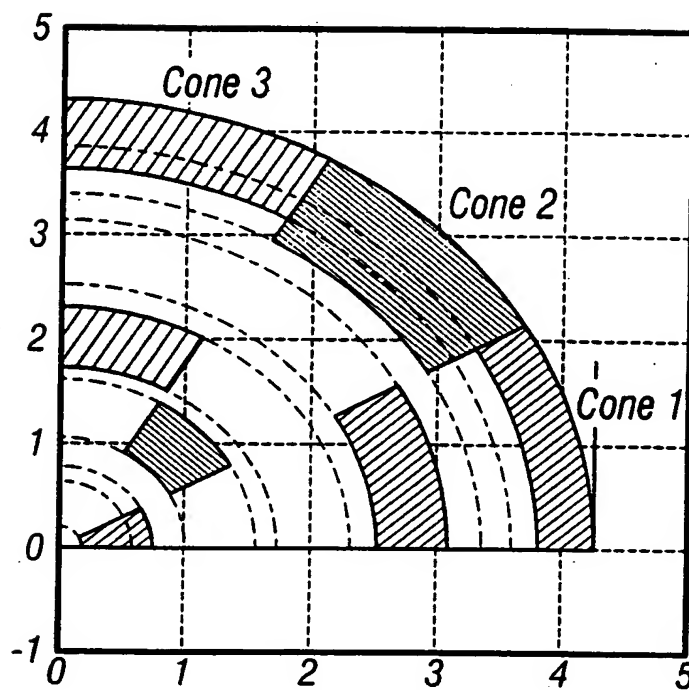


FIG. 8A

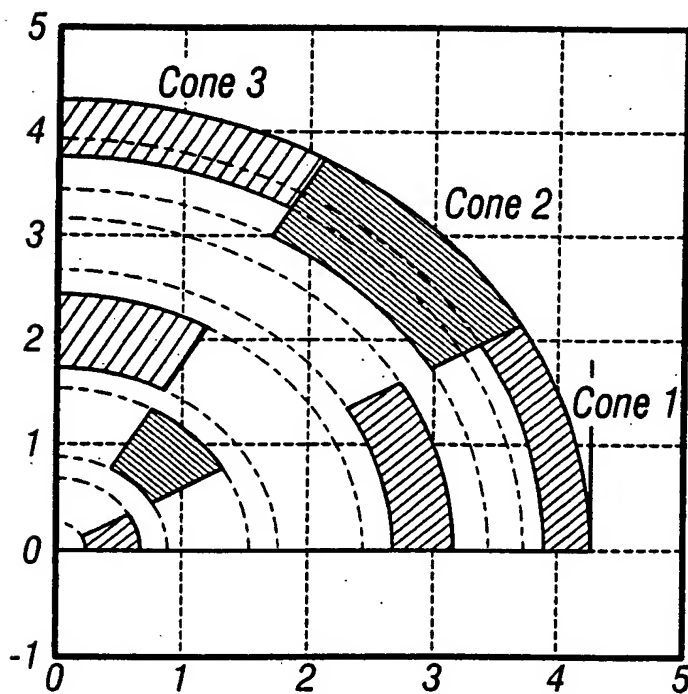


FIG. 8B

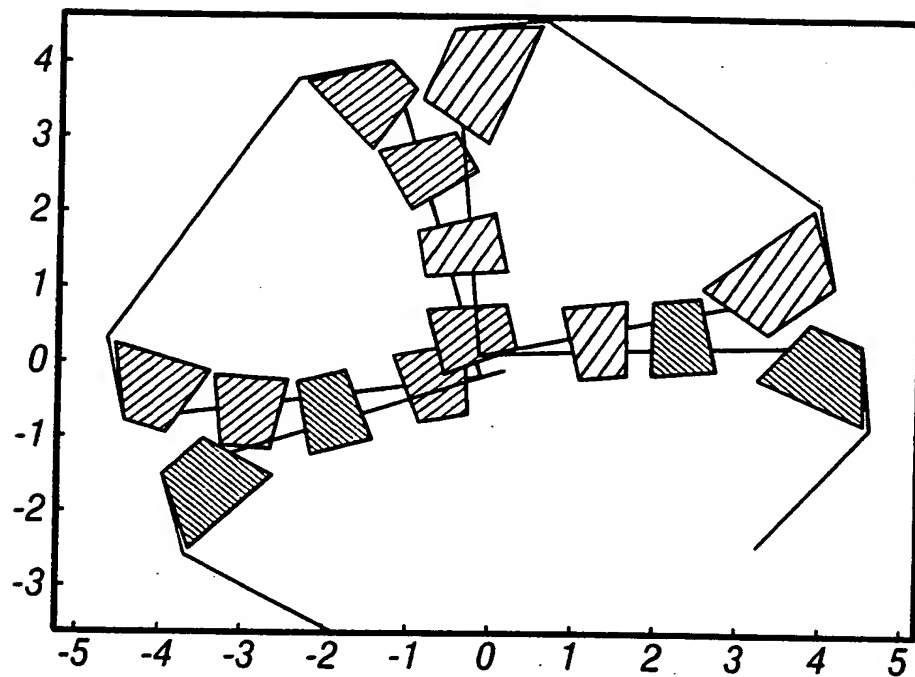


FIG. 9A

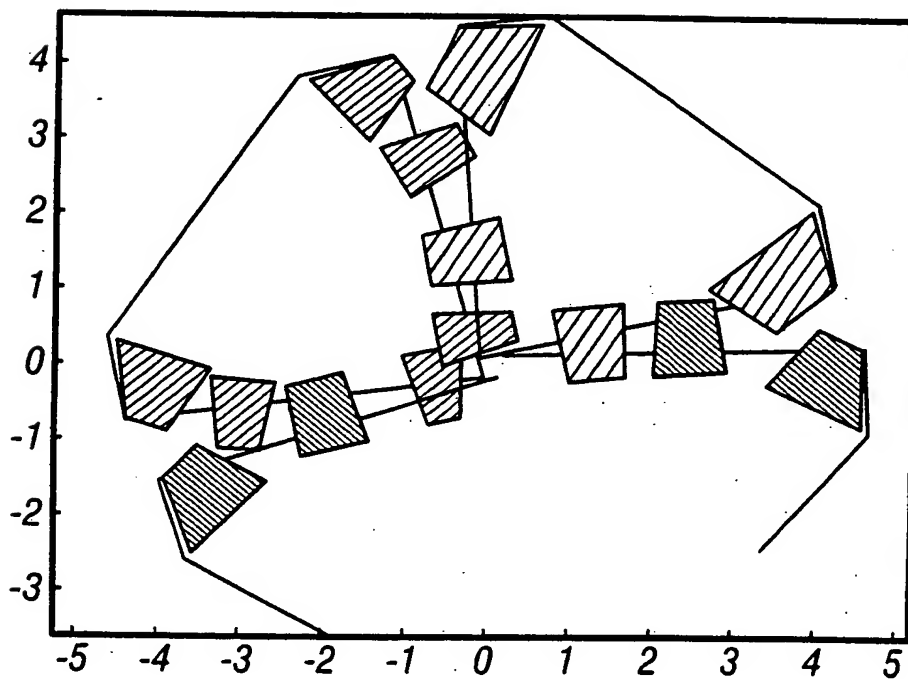


FIG. 9B

**FORCE-BALANCED ROLLER-CONE BITS,
SYSTEMS, DRILLING METHODS, AND
DESIGN METHODS**

Inventor: Shilin Chen
Date Filed: January 26, 2004
Attorney's Docket: 074263.0212 (SC-98-025 C3-C)
Sheet 8 of 8

U.S.

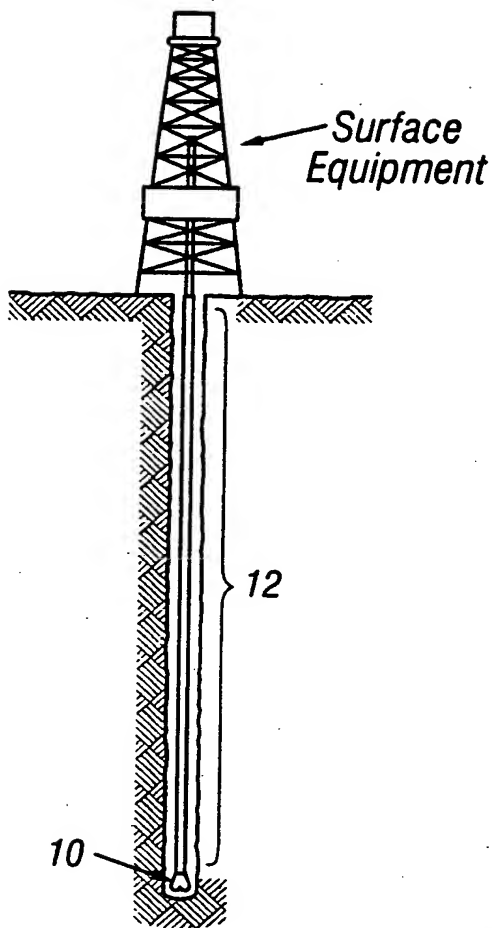


FIG. 10

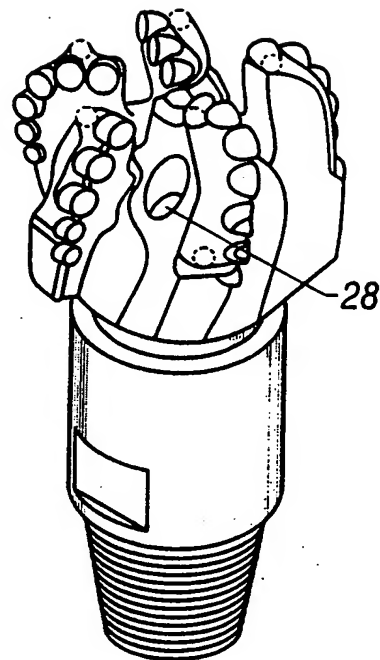


FIG. 11

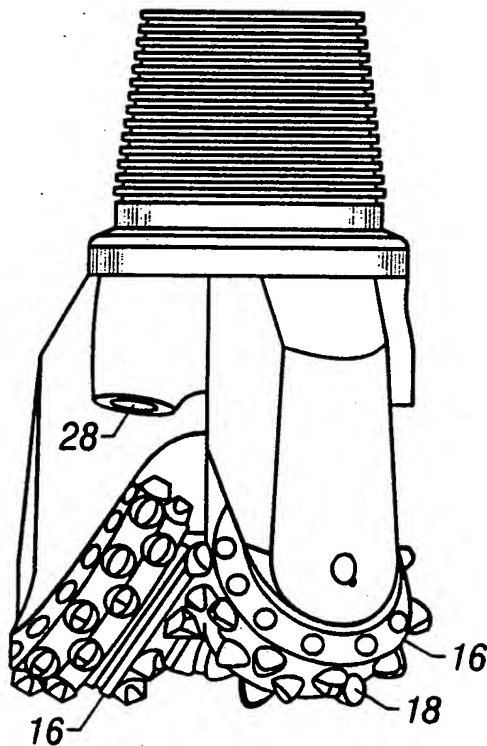


FIG. 12